

**AMENDMENTS TO THE CLAIMS**

Please amend the claims as follows:

1. (Cancelled)
2. (Currently Amended) A substantially purified polypeptide comprising the amino acid sequence of SEQ ID NO: 44,293 or ~~a fragment the complete complement~~ thereof.
3. (Cancelled)
4. (Currently Amended) A substantially purified polypeptide comprising an amino acid sequence having at least about 80% sequence identity with the amino acid sequence of SEQ ID NO: 44,293 or ~~a fragment the complete complement~~ thereof.
5. (Currently Amended) The substantially purified polypeptide of claim 4, wherein said amino acid sequence has at least 85% sequence identity with the amino acid sequence of SEQ ID NO: 44,293 or ~~a fragment the complete complement~~ thereof.
6. (Currently Amended) The substantially purified polypeptide of claim 5, wherein said amino acid sequence has at least 90% sequence identity with the amino acid sequence of SEQ ID NO: 44,293 or ~~a fragment the complete complement~~ thereof.
7. (Currently Amended) The substantially purified polypeptide of claim 6, wherein said amino acid sequence has at least 95% sequence identity with the amino acid sequence of SEQ ID NO: 44,293 or ~~a fragment the complete complement~~ thereof.

8. (Currently Amended) The substantially purified polypeptide of claim 7, wherein said amino acid sequence has at least 98% sequence identity with the amino acid sequence of SEQ ID NO: 44,293 or a ~~fragment~~ the complete complement thereof.

9. (Currently Amended) The substantially purified polypeptide of claim 8, wherein said amino acid sequence has at least 99% sequence identity with the amino acid sequence of SEQ ID NO: 44,293 or a ~~fragment~~ the complete complement thereof.

10. (Withdrawn - currently amended) A transformed plant comprising a nucleic acid sequence encoding a polypeptide having an amino acid sequence, wherein said amino acid sequence exhibits a 90% or greater identity with the amino acid sequence of SEQ ID NO: 44,293 or a ~~fragment~~ the complete complement thereof.

11. (Withdrawn) The transformed plant of claim 10, wherein said plant is a *Sorghum* plant.

12. (Withdrawn - currently amended) A transformed seed comprising a transformed plant cell comprising a nucleic acid sequence encoding a polypeptide having an amino acid sequence, wherein said amino acid sequence exhibits a 90% or greater identity with the amino acid sequence of SEQ ID NO: 44,293 or a ~~fragment~~ the complete complement thereof.

13. (Withdrawn) The transformed seed of claim 12, wherein said seed is a *Sorghum* seed.